Heyun Lin

List of Publications by Year
in descending order

186 papers	2,351 citations	201674 27 h-index	302126 39 g-index
186 all docs	186 docs citations	186 times ranked	1214 citing authors

#	Article	IF	Citations
1	A General Analytical Model of Permanent Magnet Eddy Current Couplings. IEEE Transactions on Magnetics, 2014, 50, 1-9.	2.1	79
2	Permanent Magnet Remagnetizing Physics of a Variable Flux Memory Motor. IEEE Transactions on Magnetics, 2010, 46, 1679-1682.	2.1	75
3	A Variable-Flux Hybrid-PM Switched-Flux Memory Machine for EV/HEV Applications. IEEE Transactions on Industry Applications, 2016, 52, 2203-2214.	4.9	65
4	Electromagnetic and Thermal Analysis of Open-Circuit Air Cooled High-Speed Permanent Magnet Machines With Gramme Ring Windings. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	64
5	A Novel Hybrid-Magnetic-Circuit Variable Flux Memory Machine. IEEE Transactions on Industrial Electronics, 2020, 67, 5258-5268.	7.9	63
6	Analysis of Consequent-Pole Flux Reversal Permanent Magnet Machine With Biased Flux Modulation Theory. IEEE Transactions on Industrial Electronics, 2020, 67, 2107-2121.	7.9	61
7	3-D Analytical Modeling of No-Load Magnetic Field of Ironless Axial Flux Permanent Magnet Machine. IEEE Transactions on Magnetics, 2012, 48, 2929-2932.	2.1	57
8	Comparative Study of Surface-Mounted and Interior Permanent-Magnet Motors for High-Speed Applications. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	57
9	Cogging Torque Optimization of Flux-Switching Transverse Flux Permanent Magnet Machine. IEEE Transactions on Magnetics, 2013, 49, 2169-2172.	2.1	52
10	Analytical Magnetic Field Analysis and Prediction of Cogging Force and Torque of a Linear and Rotary Permanent Magnet Actuator. IEEE Transactions on Magnetics, 2011, 47, 3004-3007.	2.1	51
11	Analysis of a Novel Switched-Flux Memory Motor Employing a Time-Divisional Magnetization Strategy. IEEE Transactions on Magnetics, 2014, 50, 849-852.	2.1	49
12	Design and Analysis of Novel Asymmetric-Stator-Pole Flux Reversal PM Machine. IEEE Transactions on Industrial Electronics, 2020, 67, 101-114.	7.9	48
13	Recent advances in variable flux memory machines for traction applications: A review. CES Transactions on Electrical Machines and Systems, 2018, 2, 34-50.	3.5	42
14	Magnetic Equivalent Circuit Modeling of Yokeless Axial Flux Permanent Magnet Machine With Segmented Armature. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	41
15	Flux adjustable permanent magnet machines: A technology status review. Chinese Journal of Electrical Engineering, 2016, 2, 14-30.	3.4	40
16	Magnetic Field Analysis and Dynamic Characteristic Prediction of AC Permanent-Magnet Contactor. IEEE Transactions on Magnetics, 2009, 45, 2990-2995.	2.1	39
17	Design, Optimization, and Intelligent Control of Permanent-Magnet Contactor. IEEE Transactions on Industrial Electronics, 2013, 60, 5148-5159.	7.9	38
18	Analysis of Dynamic Characteristics of Permanent Magnet Contactor With Sensorless Displacement Profile Control. IEEE Transactions on Magnetics, 2010, 46, 1633-1636.	2.1	37

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19	Design Synthesis of Switched Flux Hybrid-Permanent Magnet Memory Machines. IEEE Transactions on Energy Conversion, 2017, 32, 65-79.	5.2	37
20	High Power Density PMSM With Lightweight Structure and High-Performance Soft Magnetic Alloy Core. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	35
21	Analysis of Axial-Flux Halbach Permanent-Magnet Machine. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	34
22	Hybrid-Excited Switched-Flux Hybrid Magnet Memory Machines. IEEE Transactions on Magnetics, 2016, 52, 1-15.	2.1	33
23	A Novel Consequent-Pole Hybrid Excited Vernier Machine. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	33
24	Comparative Study of Hybrid PM Memory Machines Having Single- and Dual-Stator Configurations. IEEE Transactions on Industrial Electronics, 2018, 65, 9168-9178.	7.9	33
25	Fuzzy Control for Flux Weakening of Hybrid Exciting Synchronous Motor Based on Particle Swarm Optimization Algorithm. IEEE Transactions on Magnetics, 2012, 48, 2989-2992.	2.1	32
26	Static Characteristics of Novel Air-Cored Linear and Rotary Halbach Permanent Magnet Actuator. IEEE Transactions on Magnetics, 2014, 50, 977-980.	2.1	32
27	A Novel Strategy for Reducing Inrush Current of Three-Phase Transformer Considering Residual Flux. IEEE Transactions on Industrial Electronics, 2016, 63, 4442-4451.	7.9	31
28	Novel High-Performance Switched Flux Hybrid Magnet Memory Machines With Reduced Rare-Earth Magnets. IEEE Transactions on Industry Applications, 2016, 52, 3901-3915.	4.9	26
29	Flux-Regulatable Characteristics Analysis of a Novel Switched-Flux Surface-Mounted PM Memory Machine. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	24
30	A Novel Flux Weakening Control Strategy for Permanent Magnet Actuator of Vacuum Circuit Breaker. IEEE Transactions on Industrial Electronics, 2015, , 1-1.	7.9	24
31	Analysis and design of a high‐speed permanent magnet characteristic actuator using eddy current effect for high‐voltage vacuum circuit breaker. IET Electric Power Applications, 2016, 10, 268-275.	1.8	24
32	Investigation of Hybrid-Magnet-Circuit Variable Flux Memory Machines With Different Hybrid Magnet Configurations. IEEE Transactions on Industry Applications, 2021, 57, 340-351.	4.9	23
33	Numerical Analysis of 3D Eddy Current Fields in Laminated Media Under Various Frequencies. IEEE Transactions on Magnetics, 2012, 48, 267-270.	2.1	22
34	A Simplified Phase-Controlled Switching Strategy for Inrush Current Reduction. IEEE Transactions on Power Delivery, 2021, 36, 215-222.	4.3	22
35	Decoupling Control of Linear and Rotary Permanent Magnet Actuator Using Two-Directional $dhbox{-}q$ Transformation. IEEE Transactions on Magnetics, 2012, 48, 2585-2591.	2.1	21
36	Comparative Study of Novel Variable-Flux Memory Machines Having Stator Permanent Magnet Topologies. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	21

#	Article	IF	Citations
37	Analytical Prediction of Torque Characteristics of Eddy Current Couplings Having a Quasi-Halbach Magnet Structure. IEEE Transactions on Magnetics, 2016, 52, 1-9.	2.1	21
38	Principle Investigation and Performance Comparison of Consequent-Pole Switched Flux PM Machines. IEEE Transactions on Transportation Electrification, 2021, 7, 766-778.	7.8	20
39	Analysis and Performance Evaluation of an Efficient Power-Fed Permanent Magnet Adjustable Speed Drive. IEEE Transactions on Industrial Electronics, 2019, 66, 784-794.	7.9	19
40	Novel reluctance axis shifted machines with hybrid rotors. , 2017, , .		18
41	A Novel Magnet-Axis-Shifted Hybrid Permanent Magnet Machine for Electric Vehicle Applications. Energies, 2019, 12, 641.	3.1	18
42	Stepwise Magnetization Control Strategy for DC-Magnetized Memory Machine. IEEE Transactions on Industrial Electronics, 2019, 66, 4273-4285.	7.9	18
43	Synthesis of Hybrid Magnet Memory Machines Having Separate Stators for Traction Applications. IEEE Transactions on Vehicular Technology, 2018, 67, 183-195.	6.3	17
44	3-D Analytical Linear Force and Rotary Torque Analysis of Linear and Rotary Permanent Magnet Actuator. IEEE Transactions on Magnetics, 2013, 49, 3989-3992.	2.1	16
45	Cogging Torque Optimization of Novel Transverse Flux Permanent Magnet Generator With Double C-Hoop Stator. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	16
46	Novel Dual-Stator Machines With Biased Permanent Magnet Excitation. IEEE Transactions on Energy Conversion, 2018, 33, 2070-2080.	5.2	16
47	A Novel Hybrid-Pole Interior PM Machine with Magnet-Axis-Shifting Effect. , 2019, , .		16
48	Irreversible Demagnetization Analysis of Permanent Magnet Materials in a Novel Flux Reversal Linear-Rotary Permanent Magnet Actuator. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	15
49	Analytical Analysis of a Novel Flux Adjustable Permanent Magnet Eddy-Current Coupling With a Movable Stator Ring. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	15
50	A Hybrid Field Analytical Method of Hybrid-Magnetic-Circuit Variable Flux Memory Machine Considering Magnet Hysteresis Nonlinearity. IEEE Transactions on Transportation Electrification, 2021, 7, 2763-2774.	7.8	15
51	A Novel Linear-Rotary Permanent-Magnet Actuator Using Interlaced Poles. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	14
52	A Novel Variable Flux Dual-Layer Hybrid Magnet Memory Machine with Bypass Airspace Barriers. , 2019, , .		14
53	Second-Order Sliding Mode-Based Direct Torque Control of Variable-Flux Memory Machine. IEEE Access, 2020, 8, 34981-34992.	4.2	14
54	Analytical modeling of air-gap field distributions in permanent magnet embedded salient pole wind generator. IEEE Transactions on Magnetics, 2013, 49, 5756-5760.	2.1	13

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55	Analytical Modeling of Switched Flux Memory Machine. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	13
56	Novel switched-flux hybrid permanent magnet memory machines for EV/HEV applications. , 2014, , .		12
57	Optimization Design of a Permanent Magnet Actuator for 126-kV Vacuum Circuit Breaker. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	12
58	A Novel Dual-Layer PM Variable Flux Hybrid Memory Machine. , 2018, , .		12
59	Comparative Study of Partitioned Stator Memory Machines With Series and Parallel Hybrid PM Configurations. IEEE Transactions on Magnetics, 2019, 55, 1-8.	2.1	12
60	A Novel 24-Slot/10-Pole Dual Three-Phase Fractional-Slot Overlapped Winding for Low Non-Working Space Harmonics and Stator Modularization. IEEE Access, 2020, 8, 85490-85503.	4.2	12
61	Investigation of Double-Side Field Modulation Mechanism in Consequent-Pole PM Machines With Concentrated Windings. IEEE Transactions on Energy Conversion, 2021, 36, 1635-1648.	5.2	12
62	A Novel Variable Flux Memory Machine With Separated Series–Parallel PM Structure. IEEE Transactions on Industrial Electronics, 2023, 70, 3348-3361.	7.9	12
63	A New Hybrid-Excited Flux Reversal Arc Permanent Magnet Machine Having Partitioned Stators for Large Telescope Application. IEEE Transactions on Magnetics, 2019, 55, 1-10.	2.1	11
64	A Novel Asymmetric-Magnetic-Pole Interior PM Machine With Magnet-Axis-Shifting Effect. IEEE Transactions on Industry Applications, 2021, 57, 5927-5938.	4.9	11
65	Online-Parameter-Estimation-Based Control Strategy Combining MTPA and Flux-Weakening for Variable Flux Memory Machines. IEEE Transactions on Power Electronics, 2022, 37, 4080-4090.	7.9	11
66	A Novel Delta-Type Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Electrified Vehicle Applications. IEEE Transactions on Transportation Electrification, 2022, 8, 3512-3523.	7.8	11
67	Novel Flux-Regulatable Dual-Magnet Vernier Memory Machines for Electric Vehicle Propulsion. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	10
68	A Novel Transverse Flux Permanent Magnet Generator With Double C-Hoop Stator and Flux-Concentrated Rotor. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	10
69	Air-Gap Flux Density Characteristics Comparison and Analysis of Permanent Magnet Vernier Machines With Different Rotor Topologies. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	10
70	Design and Analysis of Modular Flux-Concentrating HTS Permanent-Magnet Vernier Machine. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	10
71	3-D Analytical Analysis of Magnetic Field of Flux Reversal Linear-Rotary Permanent-Magnet Actuator. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	10
72	Analytical Analysis of an Adjustable-Speed Permanent Magnet Eddy-Current Coupling With a Non-Rotary Mechanical Flux Adjuster. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	10

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73	A Winding-Switching Concept for Flux Weakening in Consequent Magnet Pole Switched Flux Memory Machine. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	9
74	Investigation of design methodology for non‐rare‐earth variable‐flux switched‐flux memory machines. IET Electric Power Applications, 2016, 10, 744-756.	1.8	9
75	Cogging Torque Optimization of Flux Memory Pole-changing Permanent Magnet Machine. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	9
76	Analysis of On-Load Magnetization Characteristics in a Novel Partitioned Stator Hybrid Magnet Memory Machine. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	9
77	A variable-mode stator consequent pole memory machine. AIP Advances, 2018, 8, 056612.	1.3	9
78	Comparative Study of Stator-Consequent-Pole Permanent Magnet Machines With Different Stator-Slot Configurations. IEEE Transactions on Magnetics, 2019, 55, 1-8.	2.1	9
79	Modular Permanent Magnet Synchronous Machine with Low Space Harmonic Content. Energies, 2020, 13, 3924.	3.1	9
80	Speed Fluctuation Mitigation Control for Variable Flux Memory Machine During Magnetization State Manipulations. IEEE Transactions on Industrial Electronics, 2023, 70, 222-232.	7.9	9
81	Dynamic performance analysis of permanent magnet contactor with a flux-weakening control strategy. Journal of Applied Physics, 2011, 109, .	2.5	8
82	Transverse flux permanent magnet motor with double-C stator hoops and flux-concentrated rotor for in-wheel drive electric vehicle. , 2014, , .		8
83	Performance Improvement of Partitioned Stator Switched Flux Memory Machines With Triple-Magnet Configuration. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	8
84	Analysis of a New Dual-Stator Vernier Machine With Hybrid Magnet Flux-Reversal Arrangement. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	8
85	A Novel Dual-Sided PM Machine with Stator Spoke-Type PM Structure. , 2019, , .		8
86	Magnetization State Selection Method for Uncontrolled Generator Fault Prevention on Variable Flux Memory Machines. IEEE Transactions on Power Electronics, 2020, 35, 13270-13280.	7.9	8
87	A Novel Squirrel-Cage Rotor Permanent Magnet Adjustable Speed Drive With a Non-Rotary Mechanical Flux Adjuster. IEEE Transactions on Energy Conversion, 2021, 36, 1036-1044.	5.2	8
88	A Linear-Rotary Permanent Magnet Actuator With Independent Magnetic Circuit Structure. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.7	7
89	A novel flux-reversal hybrid magnet memory machine. , 2017, , .		7
90	Comparative Study of Permanent Magnet Machines with Single-Sided and Dual-Sided Magnets. , 2018, , .		7

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91	A Novel Dual-Sided PM Variable Flux Memory Machine. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	7
92	Analytical Analysis of a Novel Brushless Hybrid Excited Adjustable Speed Eddy Current Coupling. Energies, 2019, 12, 308.	3.1	7
93	Influence of Design Parameters on On-Load Demagnetization Characteristics of Switched Flux Hybrid Magnet Memory Machine. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	7
94	A Self-Adaptive Control for Phase-Controlled Electromagnetic Contactor Using Weighted Moving Average Filter. IEEE Transactions on Industrial Electronics, 2021, 68, 8963-8972.	7.9	7
95	A Novel Current Control Strategy for Magnetization State Manipulation of Variable Flux Memory Machine Based on Linear Active Disturbance Rejection. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	7
96	Flux-Concentrated External-Rotor Switched Flux Memory Machines for Direct-Drive Applications. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.7	6
97	A Novel Breaking Strategy for Reduced Response Time of Electromagnetic Contactor by Reverse Voltage Application. Energies, 2019, 12, 789.	3.1	6
98	A New Double-Sided Flux Reversal Arc Permanent Magnet Machine With Enhanced Torque Density Capability. IEEE Transactions on Magnetics, 2019, 55, 1-6.	2.1	6
99	A Method to Improve Volume Energy Density for HTS Coil. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	6
100	A Magnetization State Initialization Control Scheme for Variable Flux Memory Machines Without Requiring Position Sensor Information. IEEE Transactions on Transportation Electrification, 2020, 6, 1157-1166.	7.8	6
101	Hybrid Analytical Modeling of Air-Gap Magnetic Field in Asymmetric-Stator-Pole Flux Reversal Permanent Magnet Machine Considering Slotting Effect. IEEE Transactions on Industrial Electronics, 2022, 69, 1739-1749.	7.9	6
102	Comparative Study of Torque Production Mechanisms in Stator and Rotor Consequent-Pole Permanent Magnet Machines. IEEE Transactions on Transportation Electrification, 2021, 7, 2694-2704.	7.8	6
103	Electromagnetic Analysis of a HTS Linear-Rotary Permanent Magnet Actuator. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	5
104	Design and thermal analysis on high torque low speed fractional-slot concentrated windings in-wheel traction motor. , 2016, , .		5
105	Novel Dual-Stator Switched-Flux Memory Machines With Hybrid Magnets. IEEE Transactions on Industry Applications, 2018, 54, 2129-2140.	4.9	5
106	A Novel Stator Flux-Concentrated Hybrid Permanent Magnet Memory Machine. IEEE Transactions on Magnetics, 2021, 57, 1-6.	2.1	5
107	Investigation of Torque Improvement Mechanism in Emerging Switched Flux PM Machines. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1860-1869.	5.4	5
108	Multi-Objective Optimization of a Permanent Magnet Actuator for High Voltage Vacuum Circuit Breaker Based on Adaptive Surrogate Modeling Technique. Energies, 2019, 12, 4695.	3.1	5

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109	A Novel Interior Permanent Magnet Machine with Magnet Axis Shifted Effect for Electric Vehicle Applications. World Electric Vehicle Journal, 2021, 12, 189.	3.0	5
110	A novel energy feedback control method of flywheel energy storage system based on radial basis function neural network. , 2011, , .		4
111	Design and Analysis of a Variable-Flux Pole-Changing Permanent Magnet Memory Machine. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	4
112	High-performance partitioned-stator switched flux memory machines with hybrid magnets on external stator for traction applications. , 2016, , .		4
113	A novel stator-consequent-pole memory machine. , 2016, , .		4
114	Design and investigation of a fractional-slot pole-changing memory machine. , 2016, , .		4
115	Design and analysis of a flux intensifying permanent magnet embedded salient pole wind generator. AIP Advances, 2018, 8, .	1.3	4
116	Investigation of Balanced Bidirectional-Magnetization Effect of a Novel Hybrid-Magnet-Circuit Variable-Flux Memory Machine. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	4
117	Torque Generation Mechanism and Performance Evaluation of a Dual-Sided PM Machine With Stator U-Shaped Magnets. IEEE Transactions on Industry Applications, 2022, 58, 250-260.	4.9	4
118	Variable Time Magnetization Current Trajectory Control Method for Variable Flux Memory Machines. IEEE Transactions on Transportation Electrification, 2022, 8, 3100-3110.	7.8	4
119	A Novel Asymmetric-PM Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Traction Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 4911-4921.	6.3	4
120	Characteristic investigation of permanent magnet actuator for vacuum contactors operating with an intrinsically safe low voltage. Science China Technological Sciences, 2012, 55, 1688-1694.	4.0	3
121	Development of an air-cooled 150 kW high speed permanent magnet motor with Gramme ring windings for turbo blowers. , 2014, , .		3
122	Research on variable flux permanent magnet pole-changing machine with harmonic excitation. , 2014, , .		3
123	Comparison and analysis of dual stator permanent magnet vernier machines with different pole/slot combinations for low speed direct drive applications. International Journal of Applied Electromagnetics and Mechanics, 2016, 50, 617-626.	0.6	3
124	Analysis of Field Modulation Effect in Consequent Pole Permanent Magnet Machines with Concentrated Windings. , 2018, , .		3
125	High Power Density Permanent Magnet Synchronous Motor With Lightweight Structure and High-Performance Soft Magnetic Alloy Core. , 2018, , .		3
126	Design and Analysis of a Dual-Rotor Field Modulation Machine with Triple PM Excitation. , 2018, , .		3

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127	On-load demagnetization effect of high-coercive-force PMs in switched flux hybrid magnet memory machine. AIP Advances, 2019, 9, .	1.3	3
128	Novel Dual-Sided Permanent Magnet Machines with Different Stator Magnet Arrangements. , 2019, , .		3
129	Analysis of Flux Regulation Principle in a Novel Hybrid-Magnet-Circuit Variable Flux Memory Machine. , 2019, , .		3
130	Investigation of Torque Characteristics of Switched Flux Hybrid Magnet Memory Machine by a Coupled Solution. IEEE Transactions on Magnetics, 2020, 56, 1-5.	2.1	3
131	Design and Analysis of Variable Flux Arc Permanent Magnet Motor With Multiple Excitations. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	3
132	Design and analysis of a novel permanent magnet embedded salient pole for wind generator. , 2011, , .		2
133	Electromagnetic design and analysis of a novel flux-concentrated transverse flux permanent magnet disk generator. , 2014, , .		2
134	Linear Representation of Saturation Characteristics Associated With Eddy Currents in Ferromagnetic Materials. IEEE Transactions on Magnetics, 2014, 50, 121-124.	2.1	2
135	Air-Gap Magnetic Field Analysis of Wind Generator With PM Embedded Salient Poles by Analytical and Finite Element Combination Technique. IEEE Transactions on Magnetics, 2014, 50, 777-780.	2.1	2
136	Novel alternative switched flux memory machines having hybrid magnet topologies. , 2015, , .		2
137	Operating-envelop-expandable control strategy for switched flux hybrid magnet memory machine. , 2016, , .		2
138	A Linear-Rotary Permanent Magnet Actuator with Partitioned Stator. , 2016, , .		2
139	Optimization Design and Analysis of a Linear-Rotary Permanent Magnet Actuator with Interlaced Poles. , 2016, , .		2
140	Design and analysis of a Halbach arc linear permanent magnet machine for large telescope application. , 2017, , .		2
141	Novel variable reluctance hybrid magnet memory machines. , 2017, , .		2
142	Novel fault-tolerant stator structure for modular PMSMs with fractional-slot overlapping winding. , 2017, , .		2
143	Influence of magnet eddy current on magnetization characteristics of variable flux memory machine. AIP Advances, 2018, 8, 056602.	1.3	2
144	Comparative Study of Advanced Stator Interior Permanent Magnet Machines. , 2019, , .		2

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145	Speed Range Extension of a Dual-Stator PM Machine Using Winding Switching Strategy. , 2019, , .		2
146	Design and Analysis of a Novel Mechanical-Variable-Flux Stator Consequent-Pole Machine. , 2019, , .		2
147	A Parallel Consequent Pole Reluctance Machine With Bipolar Coil Flux-Linkage. IEEE Access, 2020, 8, 116490-116500.	4.2	2
148	Design and Investigation of a Hybrid Stator Pole Memory Machine With DC Bias Magnetization Capability. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	2
149	Loss-Reduction-Oriented Optimization Methodology of Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Global Efficiency Improvement. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1658-1670.	5.4	2
150	Influence of Low-Coercive-Force Magnet Property on Electromagnetic Performance of Variable Flux Memory Machine. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	2
151	Improvement of sliding mode observer for PMSM sensorless control in renewable energy system. , 2013, , .		1
152	Simulation of wind power system involving flywheel energy storage unit based on wind speed forecasting by RBF neural network. , 2013, , .		1
153	Development of High Torque Low Speed Fractional-Slot Concentrated Windings PMSM for Traction Application. , 2016, , .		1
154	Electromagnetic analysis of a novel axial-field switched flux hybrid magnet memory machine. , 2016, , .		1
155	Generalized predictive control based on Hammerstein-Wiener model for variable pitch wind energy conversion system. , 2017, , .		1
156	Torque Ripple Suppression of Arc Permanent Magnet Synchronous Machine Based on Winding Cross Connection Method. , 2018, , .		1
157	Various New Magnet Arrangements Used in Dual-Stator Permanent-Magnet Vernier Machine for Large Telescope Drive. , 2018, , .		1
158	Volume Energy Density Improvement for HTS Coil Using Structure Optimization and Step Current Supply. , 2018, , .		1
159	A Novel Stator Spoke-Type Hybrid Magnet Memory Machine. , 2019, , .		1
160	Torque Ripple Optimization of a Novel Cylindrical Arc Permanent Magnet Synchronous Motor Used in a Large Telescope. Energies, 2019, 12, 362.	3.1	1
161	Analysis of Dual-Sided Permanent Magnet Machines with Complementary Stator Structures. , 2019, , .		1
162	Analysis of Novel Hybrid-Magnet-Circuit Variable Flux Memory Machines with Different Magnet Arrangements. , 2019, , .		1

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163	A Novel Hybrid-Stator-Pole Memory Machine with DC Bias Magnetization Capability. , 2020, , .		1
164	Investigation of Axial Field Switched Flux Memory Machine by a Combined Analytical Method. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	1
165	A Novel Three-Stage Optimization Design Method of Asymmetric-PM Variable Flux Memory Machine Considering Magnet-Axis-Shifting Effect. IEEE Transactions on Transportation Electrification, 2023, 9, 336-346.	7.8	1
166	Speed estimation with sliding mode model reference adaptive system for PM generator in direct drive wind conversion system. , 2011, , .		0
167	Design and quantitative comparison of switched-flux memory integrated-starter-generators for hybrid electric vehicles. , 2013, , .		0
168	On-load magnetization characteristic analysis of a novel partitioned stator hybrid magnet memory machine. , 2016, , .		0
169	Novel Partitioned Stator Hybrid Magnet Memory Machines for EV/HEV Applications. , 2016, , .		0
170	A combined permanent magnet actuator with auxiliary flux weakening for 126kV vacuum circuit breakers. , 2016, , .		0
171	Novel design of a variable reluctance permanent magnet machine with bipolar coil flux-linkage. , 2016, , .		0
172	Novel variable-mode partitioned stator switched flux memory machines for automotive traction applications. , 2016, , .		0
173	A nonlinear dynamic magnetic network model for flux-reversal linear-rotary permanent magnet actuator considering local saturation. , 2016, , .		0
174	A novel brushless hybrid excited adjustable-speed eddy-current coupling. , 2016, , .		0
175	3D magnetic field analytical calculation of flux reversal linear-rotary permanent magnet actuator. , 2016, , .		0
176	Analysis of a novel axial flux permanent magnet eddy-current coupling with a movable stator ring. , 2017, , .		0
177	A Novel Modular 18-Slot 10-Pole PMSM with 9-Phase Unequal-Coil-Pitch Fractional-Slot Winding. , 2018, , .		0
178	A Novel Hybrid Magnet Dual-Stator Vernier Machine with Flux-Reversal Magnet Arrangement. , 2018, , .		0
179	Comparative Study of Electromagnetic Force Characteristics of Flux Reversal PM Machines with Asymmetrical and Symmetrical Stators. , 2019, , .		0
180	Comparative Study of Consequent-Pole Switched-Flux Machines with Different U-Shaped PM Structures. World Electric Vehicle Journal, 2021, 12, 22.	3.0	0

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181	Comparative study of stator consequentâ€pole permanent magnet machines. IET Electric Power Applications, 2021, 15, 463-475.	1.8	0
182	Mode recognition and coordinated magnetisation control method for variable flux memory machine. Electronics Letters, 2021, 57, 570-572.	1.0	0
183	Comparative Analysis of Parallel Hybrid Magnet Memory Machines with Different PM Arrangements. World Electric Vehicle Journal, 2021, 12, 177.	3.0	0
184	Investigation of Field Regulation Mechanism of Flux-Reversal Variable Flux Memory Machine by an Improved Frolich Hysteresis Model. , 2020, , .		0
185	Influence of Rotor Pole Number on Electromagnetic Performance of Hybrid-Magnetic-Circuit Variable Flux Memory Machine. , 2021, , .		0
186	Investigation of Variable Field Harmonic Principle in Hybrid-Excited Switched-Flux Machine. , 2022, , .		0